

Application Serial Number 10,634,765
Response to Office Action
Dated July 24, 2006

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OCT 30 2006

2. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (ORIGINAL) An optically anisotropic body characterized in being obtainable by providing a body comprising a polymerizable electro-optical and/or magneto-optical material capable of being brought into an optically anisotropic state in response to an electric and/or magnetic field,
subjecting the polymerizable electro-optical and/or magneto-optical material to a non-uniform electric and/or magnetic field to establish electric and/or magnetic field lines in accordance with a desired pattern within the electro-optical and/or magneto-optical material, the electric and/or magnetic field lines being of sufficient strength for aligning the material and bringing the material into a desired optically anisotropic state commensurate with the non-uniform electric and/or magnetic field, and
polymerising the material in said optically anisotropic state to provide the optically anisotropic body.
2. (ORIGINAL) An optically anisotropic body according to claim 1, wherein the electro-optical and/or magneto-optical material is a liquid crystal (LC) monomer.
3. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 1, wherein the body comprising said polymerizable material is provided on an alignment layer.

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4. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 1, wherein said non-uniform electric and/or magnetic field is applied by use of a plurality of spaced electrodes and/or magnetic poles.
5. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 1, wherein said non-uniform electric and/or magnetic field is applied by use of at least one structured electrode and/or magnetic pole pair.
6. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 4, wherein said non-uniform electric and/or magnetic field is applied by use of a plurality of spaced electrodes and/or magnetic poles arranged at one side of the body.
7. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 1, wherein one or more electrode(s) and/or magnetic pole(s) is/are part of the body.
8. (ORIGINAL) An optically anisotropic body according to claim 7, which comprises a plurality of spaced electrodes and/or magnetic poles arranged at one side of the body.
9. (PREVIOUSLY PRESENTED) An optically anisotropic body according to claim 1, which is selected from the group consisting of a polariser, a compensation foil, and a micro-lens array.
10. (NEW) A method of forming an optically anisotropic, comprising:
subjecting a polymerizable electro-optical and/or magneto-optical material to a non-uniform electric and/or magnetic field to establish electric and/or magnetic field lines in accordance with a desired pattern within the electro-optical and/or magneto-optical material, the electric and/or magnetic field lines being of sufficient strength for aligning the material and bringing the material into a desired optically anisotropic state commensurate with the non-uniform electric and/or magnetic field, and

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polymerising the material in said optically anisotropic state to provide the optically anisotropic body.

11. (NEW) A method according to claim 10, wherein the electro-optical and/or magneto-optical material is a liquid crystal (LC) monomer.

12. (NEW) A method according to claim 10, wherein the body comprising said polymerizable material is provided on an alignment layer.

13. (NEW) A method according to claim 10, wherein said non-uniform electric and/or magnetic field is applied by use of a plurality of spaced electrodes and/or magnetic poles.

14. (NEW) A method according to claim 10, wherein said non-uniform electric and/or magnetic field is applied by use of at least one structured electrode and/or magnetic pole pair.

15. (NEW) A method according to claim 14, wherein said non-uniform electric and/or magnetic field is applied by use of a plurality of spaced electrodes and/or magnetic poles arranged at one side of the body.